

### Amendments to the Specification

Please replace the Abstract with the following amended abstract.

A light instrumentation system for measuring optical power or intensity of an input as wavelength of the input varies with respect to a time includes a reference providing a detectable optical power or intensity upon encountering a wavelength having a prescribed value, and a detector system coordinated with the reference and providing a detectable feature for measuring the optical power or intensity. A method of testing an object using electromagnetic energy includes illuminating the object using electromagnetic energy while sweeping the electromagnetic energy over a range of wavelengths, measuring electromagnetic energy from the object in response to ~~such~~ the illuminating, and coordinating the measuring step with one or more distinct wavelength points of the sweep determined by a wavelength dependent transmission device to which the electromagnetic energy is directed.